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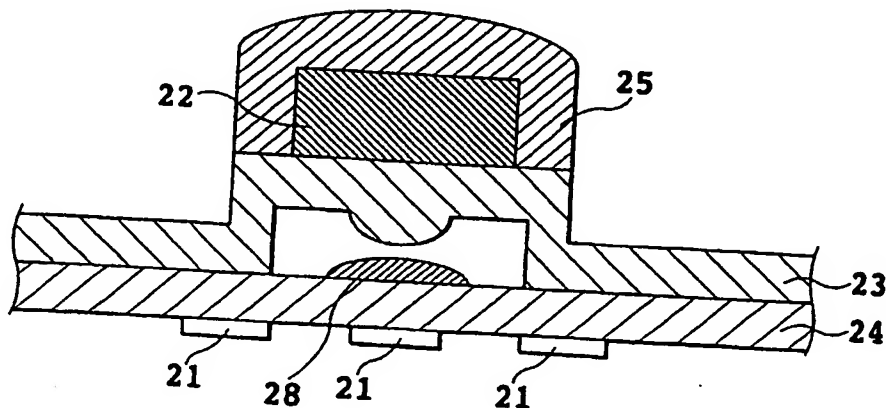
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(54) Title: POINTING DEVICE

(54) 発明の名称: ポインティングデバイス



(57) Abstract: A pointing device being improved in assembling performance, capable of being downsized, being long in product life. Magnetic sensors (21) are disposed on a mounting substrate (24), two each symmetrically along the X axis and Y axis. A switch (28) is disposed on the silicone resin (23) side of the mounting substrate (24) to provide a switching function so that the coordinates values of an input point, the pointing device can be provided with a determining function in addition to coordinates values by being given a switching function. Silicone resin (23), when under an external force, easily deforms, and, when the external force is removed, immediately restores to an initial condition not under the external force.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/03918

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.⁷ G06F3/033

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.⁷ G06F3/02, 3/033, G06K11/16-11/18, G05G9/02-9/053, H01H25/04, 36/00-36/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2002
Kokai Jitsuyo Shinan Koho	1971-2002	Jitsuyo Shinan Toroku Koho	1996-2002

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 4-172521 A (Fujitsu Ltd.), 19 June, 1992 (19.06.92), Page 3, lower left column, lines 5 to 18; Fig. 1 & EP 0477098 A2 Page 8, lines 36 to 43; Fig. 21 & US 5504502 A	1-38
Y	JP 9-128139 A (Sharp Corp.), 16 May, 1997 (16.05.97), Column 3, line 47 to column 5, line 41; Fig. 1 (Family: none)	1-38
Y	JP 8-185257 A (Matsushita Electric Industrial Co., Ltd.), 16 July, 1996 (16.07.96), Column 3, lines 36 to 49; Fig. 3 (Family: none)	1-38

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier document but published on or after the international filing date
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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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 "&" document member of the same patent family

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Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 9-34644 A (Oki Electric Industry Co., Ltd.), 07 February, 1997 (07.02.97), Column 5, lines 5 to 39; Fig. 2 & US 5973668 A Column 3, line 43 to column 4, line 27; Fig. 3	1-38
Y	JP 8-152961 A (Fujitsu Ltd.), 11 June, 1996 (11.06.96), Column 2, line 48 to column 3, lines 3, 24 to 38; Fig. 1 (Family: none)	24-38
Y	JP 6-35599 A (Fujitsu Ltd.), 10 February, 1994 (10.02.94), Column 4, lines 6 to 20; Fig. 4 (Family: none)	24-27
A	JP 6-318134 A (Kabushiki Kaisha Leben), 15 November, 1994 (15.11.94), Column 2, lines 22 to 33; Fig. 1 (Family: none)	1-38